

TABLE I

| cDNA         | Embryo Phase | Clone   | Nucleotide Sequence   |
|--------------|--------------|---------|---|
| SEQ ID NO:79 | Middle       | LPS-096 | GGTGCGATCCTAGAATTGCATCTGTTGCCGTTGCTACTCCCTTTGAATTAGAAGCC<br>TTCCTTGCCACCTGGTCTTGAAGCATCCTTTTAGTCTTATTATCCTTGGCATTATTC<br>CTAGAATCCTCTTGCTCCTTAACATCCTATAAGGTCATCTCATGCCAAGAGATCTTG<br>ACAAATTTGGAAGAATCTGCCAATTGCTCCCGCCCTCCTTAACTCGAAGTTGACTCT<br>CTAAGTTGCTGAACCTTCTGAGCTACCTGTTCTTTGTTTTCTATCATTGCTTTTCTTT<br>GTGCCATCACTCGGATCGCACC   |
| SEQ ID NO:80 | Middle       | LPZ-001 | ATCTAGATCATCGATCTTGTCCAAATTTTAACTAGTGAATAGTTTTAAAAAAGCAA<br>CTAGCAGAAGAGAACCTAACCCTGACAAATTGCAAATACTCTAGAACACTATTCAT<br>CATTTTTTGGCATTACGCTGGACCCACAAGAACCCTTGAGCTGAACCTTTCTTTTC<br>GTTCTCCCTCCTTTTGGATCGCACCATCTAGACCATCGATCTTGTCCAAATTTTAACT<br>TAGTGAATAGTTTTAAAAAAGCAACTAGCAGAAGAGAACTAACCCTGACAAATT<br>GCAAATACTCTAGAACACTATTCATCATTTTTTGGCATTACGCTGGACCCACAAGAA<br>CTCTTGAGCTGAATTTCTTTTCGTCTCCTCCTTTTGGATTGGACATCNAATCCTGCA<br>GCCGGGGATTCAATTCTTAACGGCGCNCGCGNGGACTCCATNCCCCATATGATC<br>TTTTCATCCTGGCGCNTTTAACTCTGAAGGGAAACCGGNTTNCCTTATCCCTGGA<br>NATCCCTTCC                             |
| SEQ ID NO:81 | Middle       | LPZ-002 | GTGGAGTGTAAGGTCAACGTGCCATCCGGGTACAACTATTGTAGAAAAATGGC<br>AAAGTTAGGTCTGAAAATATCCATTTGGCCTGCTCTAGTTGTACAGTACATGATTTT<br>GCACTCGCACACAATGGACTATAATTATTTTCTTGCAAAAAAAAAAAAA   |
| SEQ ID NO:82 | Late         | LPZ-003 | GGTGCGATCCAGGACATGAGGCCGAGTTTGCCATTGTGATATGATTGAGGAAGTC<br>CAGTCCTAAATAGGTTTATCTTGATGTTTGACAAGAGATATAGAGGGGCATGATG<br>ATTCATTGATCTGTTTGCAGATCTGTAAGTCAACCATCTAATGACATAATAGCGC<br>TATTGTTTGGGTTCTGTGATGACATAATAAATTGATTTAATTTAATAACATCTGTTA<br>ATGCAATGGCTGTAGCTGCATCATCACCGTATCCATCGAATGTTCCATTTTTCCAAA<br>TGTTTGTTCCAAACCAAGACACCAAAATGTCCCCTGCGTTTGTNTTGAAAAATAT<br>TGGGCCCNTACTATACTATAATNTTNGGCATACTATACTATAATGTTTCTCCCATTC<br>CCCCCAAATGANTCCTATACAATCCTGGCCGNCTTTACACTCCTGACNGGAAACCC<br>GGCTTNCCACTAATCCCTGGNCNANCCCTTC  |
| SEQ ID NO:83 | Late         | LPZ-004 | GGTGCGATCCGACTGTGATATGTGACTGGTGAACGAGAGATCCTTCTTATGAATTA<br>ATCTGGTATCTTTATGCGAAAGCTTTTAGGGTTGCTACATGCTCTCCTCTTTTGTAT<br>GAATTTCCATTCTAATATCAGTCTCTGTGAT  |
| SEQ ID NO:84 | M,L          | LPZ-005 | GGGGAGTGTCAAGGGATAAGTGGTAAGCCAGGTTTCCAGTCAGAAGTGTAAGGC<br>GGCCAGTGATGTAATAGATTCATATAGGGGAATGGAGTCACCGGGGTGCGCCGTT<br>TTAGAATAGTGGATCCCCGGCTGCAGGATTTGATGGTGGGATCCTGCCCTGATAA<br>TTTGGTTGCAATGGAATGCAGTATTAGGTGCGAGATGTAAAGCCCGCCGGAG<br>CGGTGCATGAAGTACTGCAATATTTGTTGTAGTAAATGTGCTGGTTGTGTTCCAG<br>CGGTCACTATGGCAACAAGGACGAGTGCCCTGCTACAGAGATATGAAGTCCGCA<br>GCCGGCAAGCCCAAGTGTCCCTGATCTTAGCACTTCAGTCCAGTCGCTCACTTCTT<br>TTATTCTTTTTTTTATAAAAGTGACGAGGCCGTTTTTCTTGTACTTGGTGGCCATAT<br>GTAGAGCGGTGGCTACTTCTCCTGTGTTAGGAAATGTTGCAGTACTAATAATAAGA<br>ACTTCTTTGGCAAAAAAAAAAAAA                        |
| SEQ ID NO:85 | M,L          | LPZ-006 | GGGTTTCCTTAAGAGTTAAAGGCGCATGATGTATAGAATCATATAGGGGATGGATT<br>CCCCCGGGGGGCTTTTTCAGAAATAGGGATTCCCGGCTGCAGGATTGATAGTGCGA<br>TCCAAGACACAGTGGAGTACCACAATGGGGATCTGGCCAGTGCTTTGTGGCTATTC<br>ACTGCAGCTGTATTAACAGGAAGCCGCAATGGCCAGAAGGCCATTGAACTTGC<br>TGAGAGCAGACTATCTAAGGATGGCTGGCCTGAATATTATGATGGGAAGCTTGGAC<br>GATATATTGGAAAGCAGTCTCGAAAGTGGCAAACCTGGTCAGTTGCTGGATATCTT<br>GTAGCCAAGATGATGCTTGAAGATCCATCCCATTTAGGTATGATAGCATTGGAAGA<br>GGACAAAAGATGAAGCCGTCCCTCACTCGATCAGCTTCTTGGATAATGTAAATG<br>GGGAAATCCTAACTTTTCAAGGCCACTCTTGAATGTTTTGTCACTTCTGTATGACAAA<br>TGAGGCAATTCATAGTACATGTTGTGCAAAAAAAAAAAAA |

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| cDNA         | Embryo Phase | Clone   | Nucleotide Sequence   |
|--------------|--------------|---------|---|
| SEQ ID NO:86 | M,L          | LPZ-007 | GGTGCGATCCCAGAGAATATTAGTTCATGTGTTGCTCTCATTCTTCAATATGCAG<br>GGCAACCATTGAATGAAATTATTCCTTTTGAATTTCAAAAACCTTAATAGGCTAACTT<br>ATCTATCTGGAGCCGATTTTCATTGACGAGTAACCTGTAAGCTGGCCAGCAAAAGC<br>CAACAGATGTTGAGCTCGTTGGAACCAAGTGAAGATTGTAATAGAGATGGTGAATA<br>ATCGCGGACGGCTCGGCCAATGGAATATTTGTTGCATCATCATCAAGGGGGTATGA<br>ATTCCAAAGAACTTGTGATTGAAATCCCAAGCAAAATTCTGTGAAATGAAAAATTT<br>ATTGAGACCATTGGGCAAAAAAAAAAAAAA   |
| SEQ ID NO:87 | Late         | LPZ-008 | GGTGCGATCCAAAGAACACAAGATGGAGTTACCACAATGGAGGATCTTGGCCAGT<br>GCTTTTGTGGCTATTCACTGCAGCCTGTATTAACAGGAAGGCCGCAATGGCCA<br>GAAGGGCCATTGAACTTGCTGAGAGCAGACTATCTAAGGATGGCTGGCCTGAATAT<br>TATGATGGGAAGCTTGGACGATATATTGGAAAGCAGTCTCGAAAGTGGCAACCTG<br>GTCAGTTGCTGGAT   |
| SEQ ID NO:88 | Late         | LPZ-009 | GGTGCGATCTGTGTGGCTCTGAAACATCCCGGCTCCCCTCTGCACTATAATAATCC<br>CAAAATTAAGTGAACCCAACAGAAATTTGCTCATATCTCTACAGTTATTGCAGACTGA<br>GCAAAACCCCTCAAACTCATGTGACCTCTCAATAGGAGCCACGCCCAAGATTTGTC<br>CAGCATGTAACACACCTGATCGCCGCCACTGCAAGCACAACCGCTCACAAATATCT<br>TGTCACACCACACTGTTGCGCAAGTTAACAATATTCATGTCTCCAGGAAAGAAATGC<br>CACACTTCCCAACATTCTCTTTACTATTATAGAACTTCCTTGTGCTATGGAAAAAT<br>ACATTCCCAACGCAGAACCCCAACGGGGGTTCCCAATANCCATTTCCTCCCTNTC<br>CAANCCNNTNTGAATGCNCCCCATNCCCTATTGNATNNTTTAAATCCNGGCGCNTT<br>ANCTGGAAGGNAACCCGNTTCCCN  |
| SEQ ID NO:89 | M,L          | LPZ-010 | GTTTTCCAGTCAGGACGTGTAACGACGGCCAGGGATTGTAATACGATTCACTA<br>TAGGCGAATTGGAGGTCGATCCGTATAGGTAGTTGGATGATGAACGGGCAAGAA<br>GGCAAAGGAGTACAGTGATGGATCCTGTAATTCCTGTTTCAGAAAACAGAAATCT<br>GCAATATAAGGATGGCTAAGCTTTTCAGCTATGAAAATATATGGTGCAGTGGCACT<br>CATATCAGTTGCAGAGTTGTCAATATAACTTTTGTGAATAGGAAAGTTGTCCTCTTT<br>TAGAGTGCAGAAATCCTGCAATATAAGGATGGCTAAGTTTTTCAGCTATATGAAAT<br>ATATGGTGCAGTGGCAAAAAAAAAAAAAA  |
| SEQ ID NO:90 | All          | LPZ-011 | GGTGCGATCCTACAGAGAGCAGCTTGACGAGGGCCAAAAGGTTAAGGATGAAGAA<br>TGACCTCAGCTAGTAAGGTTTACAGAAGCAGCAGAGGCATCTTAAGTGTATTTATGT<br>TTTGGCAAAAGTTGTTGCGTCGGTTGTTAATCCAGGATTCAGATGTATTTGTAG<br>A   |
| SEQ ID NO:91 | Late         | LPZ-012 | ATTGTAATACGACTCACTATAGGGCGAATTGGAGGGTCCGATCCTGCGAGACCGA<br>GGGTTTCAATTTCTTTAGACAACGACGTTTCAGTGGCGACCAGAGTTTCCCAATCAC<br>TTCAGCGATTCTATTCTTCGTTGTAATAAAGCTTAAGGAATCCATGCTTTATTCCTT<br>GGAAGGTTTGAATATTTATTTATTGGCAAAAAAAAAAAAAA  |
| SEQ ID NO:92 | Late         | LPZ-013 | AGGTGACCGTCAAAATGATTGCAGAGGACTTAGAGAGGGAAAACCGTTCCGATCT<br>GGTGAAGCAATTGGATGAAGCAGCTCTGGAATTGATTCCCGTTTCTGATGATATCG<br>TACGGCTAAGCTCAGCTCTTCAGGCAATTGGCAGAGAATACGATTCTTCAAATGAG<br>ATGACAGATTTTAAGAACTTATAGATGAACATATTTCCAAGCTTGAAGCGGATTCC<br>CCTACGGTCACCT  |
| SEQ ID NO:93 | Late         | LPZ-015 | AGGTGACCGTAAAATACTATGAGAAATGCTTTTCATCAGGCACCGCTGGTAGGTTTT<br>CTTCAAGCTTTTTCATTAGGCAAAAGAGGCTCCGTGAGTTGATCGTTAATTCTCTCCT<br>TGAATGGCCATATTGACCAGACACTCTGATTAGAACTGGAATACAACCTGCACATAT<br>AGTCATTCTTATATGATTCATCCTTCTGCACTTCAGCATCCTGCGGCAACTCTTCAT<br>CCCGCCATACTGCAGAAAAATTATTTGACTCTTGATCATGTTGTAGATGAATCTTCA<br>TGAATCTTCTCATCTTGCATTCTTGTCTTTATATCTTTAGGAAATTGCATCTGGTAAA<br>AGTATAAATGCATCTTCACTGGTTGCTTCAGTTTTTGCATGCTCCTGTTCTTCTTGT<br>TACATGTGATCTACCAAATCATCTAATGTATTCTCTCAATGTCTTGTGGACATTCTCC<br>TTCATTCCGAGATTACCAATCATCTACCCGAATAAATGTTGCCCGTCAGCAATGCC<br>GTTTTGGTCC |

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| cDNA          | Embryo Phase | Clone   | Nucleotide Sequence  |
|---------------|--------------|---------|--|
| SEQ ID NO:94  | Late         | LPZ-016 | AGGTGACCGTAGTAGGCGTCCAGAGGCTGACAAAATCCCAGGCCTGTGCAAATCT<br>GGAAGCCGCATGCAGGGCCGTGGCACCTTACACTTGCGGCCTTAACAAAGTGGCC<br>CGCGGCACCCACTTCTACCAAGTGTGTTTATATTCTTGTGCAGCCAACACCAGAGGT<br>TATGCAGGCGAATGTGCTGGCCAAGCGTTGTTTCGGCTTGTCCGCAAACCCTCTC<br>GAGTCTTACATGCCGCATATGAGTCTTGTGTATGGCGATTGTCCTGACGACGAGAA<br>AGAGAAGGCCAAGGTTAAGGCGCAGCTAAATTCGATGAACTTATCCGCAACACGGA<br>ATTCCAAGTCTCCAGCTTGTGCTTGTACTCGACAGATCTGAAAATAATCCTCACTCA<br>TGCATAAGTGCAAATGTGATCTTAACCTGCTCTGAAAATTACATAA  |
| SEQ ID NO:95  | Late         | LPZ-017 | AGGTGACCGTCCACGAGAATTTGGCTTCAAACCCTAGGAGAGGGATATGAACTTG<br>CCAAGGCACAACCTGACGCATGAACAAGACGTAAATGACTCATTAGACACTGACAT<br>GATAATGAAAAACCTATGAATGATGATAGACTCAGCTACTTGATGACATCGCCCGC<br>CATTTGGACATCTTTATAAGGAGTTTAAGCAAACCCTAGACCTACTGCCTAGTGACC<br>AACTTTTGCTTGACGACTCACTGAAATGACAATATTTGACCTTGACACTTCAAATC<br>ACTTTGTAGGAACCTATTTGATCACTGGAGGACGGCTGGAAAGACTGACACTAACA<br>GGACTTTATATATGCACCTCGTCTATCCGAACCT   |
| SEQ ID NO:96  | Late         | LPZ-018 | AGGTGACCGTAAGCACAAGTCGTCAAATTATCTCTATTCCGGCAGTAAAAACCTAT<br>AGCTAATGATGGATCAATAGCACTAAGTGGCAGCTGGCGTACATCACTGCAATGAT<br>AAGAACCAGTATCAACCCCCATATTATCAGGAGATATCTCCACCACCTGCTGCACT<br>ACATGTGGATCTAAGTACAGAGCCTGATCATCCTGAACACCAACAATATACGTTGAA<br>GCTCCAGGCTTTCCACCAGCAATACCAAGACTTTGGGGAAATGTGAACGTTTCACG<br>AAGTGATGGTACATACCTTGGGTTGATCTTCTACACCAAGAACAAGCGGCACCA<br>AATCAGGATAGGCACTTGGTCTTCCCCTTCTCCATTGGACCACTCTGAACACAGC<br>CTCGCAGCATCATCAATGCAGATAACTGGAGTCCCTCCACGGTCACCT |
| SEQ ID NO:97  | Middle       | LPZ-019 | AGGTGACCGTGAATATGGTGGGTATTTGCAGGGCAAGATTCAGGATGCTGCTCCC<br>GGAGCTTAAGTAAGGTCTTGGACCCTAATAAATTCAGGGTATATGCATTATGTATAT<br>GCTCTCATTTAGCTGCTCATCTGATTTCCATTGGGTGAATCAGTTGTTTTGCAGTAC<br>GTGGGGGTCTGTTTATTTGTGAGTTTATGGTGGAGTTCAATTTGTTGTTGTTGTTT<br>TTTCTTATCTAGGGTTTAGGGTTTTGCCCTGTAATCGGTCTTCCCCTCTCTCCTGCG<br>CTTGAATTTGACCTGAAACCTCTTGAAGTAGGCCCTGGTTTTCTGGGCTTTGACGA<br>AAACCATGGTTGTGGATCTCCTCTCTCCTGCTACGGTCACCT   |
| SEQ ID NO:98  | Late         | LPZ-020 | AGGTGACCGTCCTACTTCACCGCAGTGACTTCCATCTGGTTTTAGGAACTATCCC<br>TAAATCCTTCACTAGTTGACGAATTGATTGACTCAAATCAACTGTCCGGTCAAACCCA<br>CTCTCTCTGAAAGTGAATTCTATGAGTCTATACCCAACCCAAATCAATAGGTTGAGG<br>TAACAGTTGACCCGATTTACCTTCAACAAATCATACTTTCCCGAAGAGAGTGAAC<br>ATGATTCAACACAAGTTCTTTTTGGTTCACCAGATTCAAATGAGCTTGGGGGTAAATC<br>CTCCTGTTCCATCAAGACAAGAAGAAATCCTCCCACTCTCGTAACTCAAGGGTTAA<br>TCCTCCCATTCTACGGTCACCT  |
| SEQ ID NO:99  | Late         | LPZ-022 | AGGTGACCGTCNCGGGATAGNTGGAGCCNAACAAAGTACNGAANAANTGAANCG<br>CNCTGGGAAGCGNGCNGAAANNTGGNCANACNTGCCCTNCNACTCGGTTACCCAG<br>CCNTTCTCTACCNANAATTATNACNNNANAGCNCCATGCTGGGTTTGTNANAAAAN<br>AACNGCTNTTGATAAAATTACATAGANTNNGAACACGTAAAGAGGAATATGGTTCC<br>ANATNCATTNTNAATNANNANTTAAAACTNNTATGTNCTAGNGTCNCCT   |
| SEQ ID NO:100 | Late         | LPZ-023 | AGGTGACCGTACAGCACAGGTATACAAATCATAGAAATGGGCTTCTGTCCAACGT<br>CAGCAGAAGCGATATGAAACCCAGAAGCATCAACTCTGCTTTCAATTTTTCAAGCG<br>CTTCATATAGAGCCTTTTTATTTCTTCTGGAGAGCCAATTGCTAGCATAATGAATAC<br>CATGTTCAAGAAGTAAAGAGATGACCACAAATGCCAAACAAACAACTGCTACTGCC<br>CAAGTTAGGAGTTTGCTCTAGAGAACGGTCATTGCCACGGTCACCT   |

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